



1 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2 Application Serial No..... 09/731,481
3 Filing Date December 06, 2000
4 Confirmation No. 1300
5 Inventorship Liu, et al.
6 Applicant Microsoft Corporation
Group Art Unit 2623
7 Examiner Bhatnagar, Anand P.
Attorney's Docket No. MS1-684US
Title: System and Method Providing Improved Head Motion Estimations for Animation

AS
TL
6-7-04

7 **INFORMATION DISCLOSURE STATEMENT**

8 **References – See Attached Form PTO-1449**

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Technology Center 2600

12 From: Brian G. Hart (Tel. 509-324-9256; Fax 509-323-8979)
13 Lee & Hayes, PLLC
14 421 W. Riverside Avenue, Suite 500
15 Spokane, WA 99201

16 The attached form PTO-1449 is submitted in compliance with Applicant's duty of
17 disclosure under 37 CFR §1.56. The Examiner is requested to make these citations of
18 official record in this application.

19 The Commissioner is hereby authorized to charge payment of fees or credit
20 overpayments to Deposit Account No. 12-0769 as set forth in 37 CFR §1.17(p).

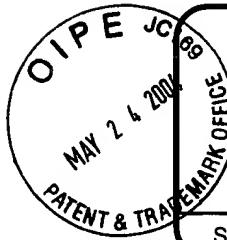
21 Dated: 5/21/04

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25 05/26/2004 MMEN 00000010 120769 09731481

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
SEARCHED SEARCHED SEARCHED SEARCHED SEARCHED SEARCHED	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	09/731,481
				Filing Date	12-06-2000
				First Named Inventor	Liu
				Group Art Unit	2623
				Examiner Name	Bhatnagar, A.
				Attorney Docket Number	MS1-684US
(use as many sheets as necessary)					
Sheet	1	of	3		

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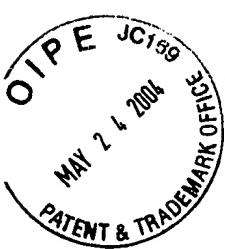
***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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<i>(use as many sheets as necessary)</i>			MAY 28 2004	
Sheet	2	of	3	Technology Center 2000
			Attorney Docket Number	
			MS1-684US	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		PEI et al., "Global Motion Estimation in Model-Based Image Coding by Tracking Three-Dimensional Contour Feature Points", IEEE, 1051-8215/98, 1998, pages 181-190.
		PIGHIN et al., "Resynthesizing Facial Animation Through 3-D Model-Based Tracking", IEEE, Inspec Accession Number 6371194, 1999, pages 1-8.
		SHAKUNAGA et al., "Integration of Eigentemplate and Structure Matching for Automatic Facial Feature Detection", IEEE, Inspec Accession Number 5920393, pages 1-6.
		PERLIN, "Realtime Responsive Animation with Personality", IEEE, 1071-2626/95, pages 5-15.
		SKARIA et al., "Modeling Subdivision Control Meshes for Creating Cartoon Faces", IEEE 0-7695-0853-7/01, 2001, pages 216-225.
		PARKE, "Computer Graphic Models for the Human Face", IEEE, CH515-6/79/0000-0724, 1979, pages 724-727.
		TERZOPoulos et al., "Analysis of Facial Images Using Physical and Anatomical Models", IEEE, CH2934-8/90/0000/072, 1990, pages 727-732.
		DiPAOLA, "FaceSpace: a Facial Spatial-Domain Toolkit", IEEE, 1093-9547, pages 1-5.
		DeCARLO et al., "An Anthropometric Face Model using Variational Techniques", Proceedings SIGGRAPH 1998, pages 67-74.
		BLANZ et al., "Face Recognition Based on Fitting a 3D Morphable Model", IEEE, 0162-8828/03, 2003, pages 1063-1074.
		ZHENG et al., "3D Models from Contours: Further Identification of Unexposed Areas", IEEE, 0-8186, 1992, pages 733-741.

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Sheet 3 of 3

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Application Number	09/731,481
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First Named Inventor	Liu
Group Art Unit	2623
Examiner Name	Bhatnagar, A.
Attorney Docket Number	MS1-684US

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